

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/06872

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04J11/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 139 596 A (MITSUBISHI ELECTRIC TELECOM EU) 4 October 2001 (2001-10-04) paragraphs '0013!-'0029!, '0092!-'0120!; figures 2,5 ---	1-20
X	WO 01 50659 A (PICCINONNO FULVIO ;TELIT MOBILE TERMINALS S P A (IT)) 12 July 2001 (2001-07-12) page 1, line 18 -page 2, line 4	1,2,5, 7-13, 16-20
A	page 2, line 12 -page 5, line 28; claims 6-9; figures 2,3 abstract ---	3,4,6, 14,15

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&\* document member of the same patent family

Date of the actual completion of the international search

19 May 2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DINAN E H ET AL: "SPREADING CODES FOR DIRECT SEQUENCE CDMA AND WIDEBAND CDMA CELLULAR NETWORKS" IEEE COMMUNICATIONS MAGAZINE, IEEE SERVICE CENTER, PISCATAWAY, N.J, US, vol. 36, no. 9, 1 September 1998 (1998-09-01), pages 48-54, XP000784826 ISSN: 0163-6804 page 51, right-hand column, line 40 -page 53, left-hand column, line 45; figures 7,8 -----	1-20

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 1139596	A 04-10-2001	FR	2807243 A1	05-10-2001
		CN	1321017 A	07-11-2001
		EP	1139596 A1	04-10-2001
		JP	2001326624 A	22-11-2001
		US	2002006156 A1	17-01-2002
WO 0150659	A 12-07-2001	IT	MI992747 A1	02-07-2001
		AU	2395701 A	16-07-2001
		WO	0150659 A1	12-07-2001